

STIC REPORT

10/017,870

034827-1401

SEQ ID NO: 1

RESULT 3

US-08-938-669A-2

; Sequence 2, Application US/08938669A

; Patent No. 5171788

; GENERAL INFORMATION:

; APPLICANT: Nguyen, Thai D.

; APPLICANT: Polansky, Jon R.

; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,

; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND

; TITLE OF INVENTION: RELATED DISEASES

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Howrey & Simon

; STREET: 1399 Pennsylvania Avenue, N.W.

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20004-2402

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSEQ for Windows Version 2.0

; CUPRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/938,669A

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/791,154

; FILING DATE: 28-JAN-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Mendelson, Elliot

; REGISTRATION NUMBER: F-42,878

; REFERENCE/DOCKET NUMBER: 07425-0034

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202 383-6857

; TELEFAX: 202 383-6610

; TELEX:

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 5304 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-08-938-669A-2

Query Match 100.0%; Score 32; DB 4; Length 5304;

Best Local Similarity 100.0%; Pred. No. 1.3e-09;

Matches 32; Conservative 0; Mismatches 0; Indels 0;

Gaps 0;

Qy 1 CGAATAGAGCCATAAACTCAAAGTGSTAATAA 32
 ||||||||||||| |||||||||||||
Db 4305 CGAATAGAGCCATAAACTCAAAGTGSTAATAA 4336

FIGURE A

SEQ ID NO 2

RESULT 1
US-08-791-347-9
; Sequence 9, Application US/08791347
; Patent No. 5885776
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURREENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/791,347
; FILING DATE: 30-JAN-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-010.26
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHAFACTERISTICS:
; LENGTH: 190 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-791-347-9

Query Match 100.0%; Score 22; DB 2; Length 190;
Best Local Similarity 100.0%; Pred. No. 0.00047;
Matches 22; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 CCGTATTCTTGGGGTGGCTACA 22
 |||||||||||||

Db 160 CCGTATTCTTGGGGTGGCTACA 181

FIGURE B

SEQ ID NO: 3

RESULT 1

US-08-791-347-7

; Sequence 7, Application US/08791347

; Patent No. 5885776

; GENERAL INFORMATION:

; APPLICANT: Stone, Edwin M.

; APPLICANT: Sheffield, Val C.

; APPLICANT: Alward, Wallace L.M.

; TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC

; TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109-2170

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA

; APPLICATION NUMBER: US/08/791,347

; FILING DATE: 30-JAN-1997

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Arnold, Beth E.

; REGISTRATION NUMBER: 35,430

; REFERENCE/DOCKET NUMBER: UIA-010.26

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-832-1000

; TELEFAX: 617-832-7000

; INFORMATION FOR SEQ ID NO: 7:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 195 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA

US-08-791-347-7

Query Match 92.3%; Score 24; DB 2; Length 195;

Best Local Similarity 100.0%; Pred. No. 2.8e-05;

Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 CAAACCTGGGAGACAAACATCCGT 26

|||||

Db 10 CAAACCTGGGAGACAAACATCCGT 33

FIGURE C

SEQ ID NO 4

RESULT 14

US-08-546-568A-3

; Sequence 3, Application US/08546568A

; GENERAL INFORMATION:

; APPLICANT: NGUYEN, THAI D.

; APPLICANT: POLANSKY, JON R.

; APPLICANT: HUANG, WEIDONG

; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF GLAUCOMA

; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWREY & SIMON

; STREET: 1299 PENNSYLVANIA AVE., N.W.

; CITY: WASHINGTON

; STATE: D.C.

; COUNTRY: US

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS, MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/546,568A

; FILING DATE:

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: AUERBACH, JEFFREY I

; REGISTRATION NUMBER: 32,680

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202) 383-7451
 ; TELEFAX: (202) 383-5610
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1491 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; IMMEDIATE SOURCE:
 ; CLONE: TIGR coding sequence
 US-08-546-568A-3

Query Match 88.6%; Score 31; DB 9; Length 1491;
 Best Local Similarity 100.0%; Pred. No. 8.1e-07;
 Matches 31; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;

Qy 5 GCTATAAGTACAGCAGCATGATTGACTACAA 35
 |||||||||
 Db 1388 GCTATAAGTACAGCAGCATGATTGACTACAA 1418

FIGURE D

SEQ ID NO: 5

RESULT 3
 BM689172
 LOCUS BM689172 357 bp mRNA linear EST 28-
 FEB-2002
 DEFINITION UI-E-CR0-acm-a-09-0-UI.r1 UI-E-CR0 Homo sapiens cDNA clone
 UI-E-CR0-acm-a-09-0-UI 5', mRNA sequence.
 ACCESSION BM689172
 VERSION BM689172.1 GI:19002430
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
 Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 357)
 AUTHORS Bonaldo,M.F., Lennon,G. and Soares,M.B.
 TITLE Normalization and subtraction: two approaches to facilitate
 gene
 discovery
 JOURNAL Genome Res. 6 (9), 791-806 (1996)
 MEDLINE 97044477
 COMMENT Contact: Soares, MB
 Program for Rat Gene Discovery and Mapping
 University of Iowa
 451 Eckstein Medical Research Building Iowa City, IA 52242,
 USA
 Tel: 319 335 8250
 Fax: 319 335 9565
 Email: msoares@blue.weeg.uiowa.edu
 Tissue Procurement: Dr. Gregg Hageman
 cDNA Library preparation: Dr. M. Bento Soares, Univeristy
 of Iowa

cDNA Library Arrayed by: Dr. M. Bento Soares, Univeristy of
 Iowa
 DNA Sequencing by: Dr. M. Bento Soares, Univeristy of Iowa
 Clone Distribution: Researchers may obtain clones from
 Research Genetics (www.resgen.com).
 Seq primer: M13 Reverse.
 FEATURES
 source Location/Qualifiers
 1. 357
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="UI-E-CR0-acm-a-09-0-UI"
 /clone_lib="UI-E-CR0"
 /tissue_type="eye anterior segment"
 /dev_stage="adult"
 /lab_host="DH10B (Life Technologies) (T1 phage
 resistant)"
 with a /note="Organ: eye; Vector: pT7T3-Pac (Pharmacia)
 modified polylinker; Site_1: EcoR I; Site_2: Not I;
 UI-E-CR0 is a cDNA library containing the following
 tissue(s): eye anterior segment. The library was
 constructed according to Bonaldo, Lennon and
 Soares,
 Genome Research, 6:791-806, 1996. First strand cDNA
 synthesis was primed with an oligo-dT primer
 containing a
 EcoR I
 directionally
 prime
 library tag
 the
 program, Gene
 National Eye
 Institute (NEI)."
 BASE COUNT 92 a 88 c 100 g 77 t
 ORIGIN

Query Match 50.0+; Score 20; DB 14; Length 357;
 Best Local Similarity 100.0+; Pred. No. 0.72;
 Matches 20; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;

Qy 21 GTATGGTGTGTGGATGCGAG 40
 |||||
 Db 213 GTATGGTGTGTGGATGCGAG 232

FIGURE E

SEQ ID NO: 6

RESULT 5

US-08-488-013-1/c

; Sequence 1, Application US/08488013

; Patent No. 5707806

; GENERAL INFORMATION:

; APPLICANT: Shuber, Anthony P.

; TITLE OF INVENTION: Direct Sequence Identification of

; Patent No. 5707806

; TITLE OF INVENTION: Mutations by Cleavage-and Ligation-Associated

; TITLE OF INVENTION: Mutation-Specific Sequencing

; NUMBER OF SEQUENCES: 1

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Darby & Darby P.C.

; STREET: 805 Third Avenue, 27th Floor

; CITY: New York City

; STATE: New York

; COUNTRY: USA

; ZIP: 10022

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/488,013

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ludwig, S. Peter

; REGISTRATION NUMBER: 25,351

; REFERENCE/DOCKET NUMBER: 0372/0B127

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 527-7770

; TELEFAX: (212) 753-6237

; TELEX: 236687

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "synthetic oligonucleotide"
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-488-013-1

Query Match 50.0%; Score 20; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 0.0096;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCGGTCCCAAAGGGTCAGT 20

|||||

Db 30 GCGGTCCCAAAGGGTCAGT 11

FIGURE F

SEQ ID NO: 7

RESULT 9
US-09-056-285A-1
; Sequence 1, Application US/09056285A
; Patent No. 6403307
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; Sheffield, Val C.
; Alward, Wallace L.M.
; Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/056,285A
; FILING DATE: 07-Apr-1998


```

;      ATTORNEY/AGENT INFORMATION:
;      NAME: Arnold, Beth E.
;      REGISTRATION NUMBER: 35,430
;      REFERENCE/LOCKET NUMBER: UIA-010.28
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 617-832-1000
;      TELEFAX: 617-832-7000
;      INFORMATION FOR SEQ ID NO: 1:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 2800 base pairs
;      TYPE: nucleic acid
;      STRANDEDNESS: single
;      TOPOLOGY: linear
;      MOLECULE TYPE: DNA (genomic)
;      SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-056-285A-1

```

```

Query Match          53.7%; Score 22; DB 4; Length 2800;
Best Local Similarity 100.0%; Pred. No. 0.00035;
Matches 22; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

```

```

Qy      20 TGCGAATAGAGCCATAAACTCA 41
          |||||
Db      872 TGCGAATAGAGCCATAAACTCA 893

```

FIGURE G

SEQ ID NO: 8

RESULT 7

US-09-277-016-16

```

; Sequence 16, Application US/09277016
; Patent No. 6143529
; GENERAL INFORMATION:
; APPLICANT: Lapidus, Stanley N
; APPLICANT: Shuber, Anthony P
; TITLE OF INVENTION: Methods for improving sensitivity and specificity
of
; TITLE OF INVENTION: screening assays
; FILE REFERENCE: EXT-030
; CURRENT APPLICATION NUMBER: US/09/277,016
; CURRENT FILING DATE: 1999-03-26
; EARLIER APPLICATION NUMBER: 08/876,857
; EARLIER FILING DATE: 1997-06-16
; EARLIER APPLICATION NUMBER: 08/709,583
; EARLIER FILING DATE: 1996-08-14
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 37
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:PCR-E-FOR (p53
; OTHER INFORMATION: Exon 5)
US-09-277-016-16

```

```

Query Match          50.0%; Score 20; DB 3; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0096;

```

Matches 20; Conservative 0; Mismatches 0; Indels 0;
Gaps 0;

Qy 1 GCGGTCCCAAAGGGTCAGT 20
| | | | | | | | | | | | | | | |
Db 1 GCGGTCCCAAAGGGTCAGT 20

FIGURE H